

Claims

- [c1] A retaining apparatus for a storage box having a cavity with an open end defined by a plurality of sidewalls extending from a substantially closed end portion, at least one sidewall having a first flap adjacent to the open end and defining a first plane and adapted, in a closed condition, to foldably overlap a second flap disposed adjacent to the open end on an opposing sidewall and defining a second plane, the retaining apparatus comprising:
- a first tab coupled to the first flap with a pivoting structure and having a free end defining a part-circular shape with a diameter and a circumferential outer edge, the first tab being pivotally movable out of the first plane and through the second plane to a retaining position when the first and second flaps are disposed in the closed condition; and
 - the second flap having an aperture formed therein having a shape and size substantially the same as that of the free end with a peripheral edge and disposed in substantial alignment with the free end when the first and second flaps are disposed in the closed condition;
- wherein the first tab and the peripheral edge of the

aperture cooperate to retain the first and second flaps in the closed condition when the first tab is pivoted to the retaining position and the outer edge is disposed in abutting relationship with the peripheral edge at first and second diametrically opposed locations on the free end and defining a chord therebetween having a length less than the diameter and disposed between the diameter and the pivoting structure.

[c2] The apparatus as claimed in claim 1 further comprising finger insert apertures adapted to receive a user's finger and disposed respectively on the first and second flaps and being in substantial alignment with each other when the first and second flaps are disposed in the closed condition, the finger insert aperture on the first flap being disposed adjacent to an end of the first tab opposite from the pivoting structure.

[c3] The closing apparatus as claimed in claim 2 wherein each finger insert aperture has a substantially arcuate shape.

[c4] The apparatus as claimed in claim 1 wherein the pivoting structure includes a first folding line.

[c5] The closing apparatus as claimed in claim 1 wherein the

second flap has a second tab disposed in the aperture and having substantially the same size and shape as the first tab, the second tab being coupled to the second flap by a second folding line and pivotally movable out of the second plane to a retaining position.

[c6] A unitary one-piece wall structure openable at one end, comprising:

- first and second flaps adjacent to the end and respectively defining first and second planes and respectively being foldable to an overlapping condition for closing the end;

- a first tab coupled to the first flap with a pivoting structure and having a free end defining a part-circular shape with a diameter and a circumferential outer edge, the first tab being pivotally movable out of the first plane and through the second plane to a retaining position when the first and second flaps are disposed in the overlapping condition;

- the second flap having an aperture formed therein having a shape and size substantially the same as that of the free end with a peripheral edge and disposed in substantial alignment with the free end when the first and second flaps are disposed in the overlapping condition; and

- finger insert apertures adapted to receive a user's

finger and disposed respectively on the first and second flaps and being in substantial alignment when the first and second flaps are disposed in the overlapping condition, the finger insert aperture on the first flap being disposed adjacent to an end of the first tab opposite from the pivoting structure; wherein the first tab and the peripheral edge of the aperture cooperate to retain the first and second flaps in the overlapping condition when the first tab is pivoted to the retaining position and the outer edge is disposed in abutting relationship with the peripheral edge at first and second diametrically opposed locations on the free end and defining a chord therebetween having a length less than the diameter and disposed between the diameter and the pivoting structure.

[c7] The wall structure as claimed in claim 6 wherein the second flap has a second tab disposed in the aperture and having substantially the same size and shape as the first tab, the second tab being coupled to the second flap by a second folding line and pivotally moveable out of the second plane to a retaining position.

[c8] The wall structure as claimed in claim 6 wherein each finger insert aperture has a substantially arcuate shape.

[c9] A retaining structure for retaining first and second sheets of material in an overlapping condition and defining respective first and second planes, comprising:

- a first tab coupled to the first sheet with a pivoting structure and having a free end defining a part-circular shape with a diameter and a circumferential outer edge, the first tab being pivotally moveable out of the first plane and through the second plane to a retaining position when the first and second sheets are disposed in the overlapping condition; and
- the second flap having an aperture formed therein having a shape and size substantially the same as that of the free end with a peripheral edge and disposed in substantial alignment with the free end when the first and second sheets are disposed in the overlapping condition;

wherein the first tab and the peripheral edge of the aperture cooperate to retain the first and second sheets in the overlapping condition when the first tab is pivoted to the retaining position and the outer edge is disposed in abutting relationship with the peripheral edge at first and second diametrically opposed locations on the free end and defining a chord therebetween having a length less than the diameter and disposed between the diameter and the pivoting structure.

- [c10] The retaining structure as claimed in claim 9 further comprising respective insert apertures disposed respectively on the first and second sheets and being in substantial alignment when the sheets are disposed in the overlapping condition, the insert aperture on the first sheet being disposed adjacent to an end of the first tab opposite from the pivoting structure.
- [c11] The retaining structure as claimed in claim 9 further wherein the second flap has a second tab disposed in the aperture and having substantially the same size and shape as the first tab, the second tab being coupled to the second sheet with a second pivoting structure and pivotally moveable out of the second plane to a retaining position.